

IN THE ABSTRACT:

Please replace the abstract with the following:

ABSTRACT OF THE DISCLOSURE

The present disclosure relates to a separator disc including first and second opposed surfaces. The first surface includes a first material having a surface energy and the first surface has a second material diffused into it at least in sections. Such diffusion changes the surface energy of the sections of the first surface. The present disclosure also relates to a method of increasing the separation effect of a separator disc including providing a separator disc having a first material on a first surface of the disc and diffusing a second material into sections of the first surface.